



# Quarterly Project Status

## October 27, 2004

### Vashon-Maury Island Water Resources Evaluation

October 27, 2004

King County

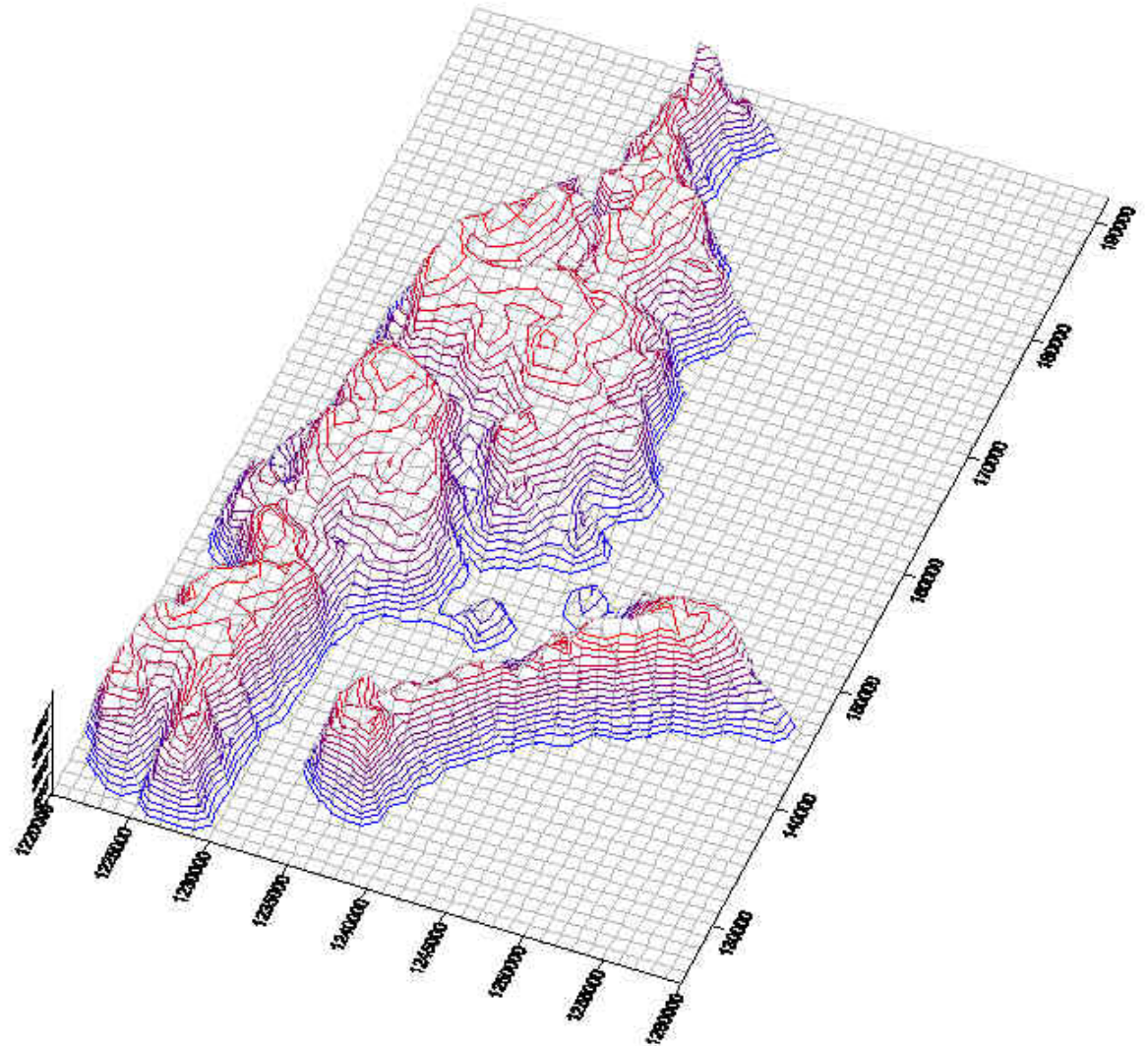


# Status Summary

- Work emphasis this quarter has been on groundwater modeling and gauging activities
- CARA map updated from GeoMapNW (UW) susceptibility and geologic mapping
- Still on track to meet all deliverables

# Modeling Progress

- Entire VMI  
'grid'-ed
- Each grid is  
1000' x 1000'
- VMI grid has  
68 rows and  
41 columns
- 5 Stratigraphic  
layers



October 27, 2004



# Modeling Progress

- Compiled Aquifer properties, boundary conditions with data from WA DoE, Geomap NW, WA DoH, SKCH
- Executed numerous runs to test compatibility of initial/ boundary conditions, parameters and solvers.



# Looking Ahead to Modeling

- After the completion of the VMI geologic mapping, the Phase 1 stratigraphic model will be updated.
- The Phase 1 modeling and model development & calibration report will be finished by the end of 2004
- Phase 2 will start in 2005



## *Stream & Precipitation Gages Progress*

### ■ Stream gages

- Shinglemill
- Judd Creek
- Fisher Creek
- Tahlequah
- Green Valley Creek

### ■ Direct flow - VMI wide survey

- 16 streams: April 2004 and August 2004

### ■ Rain gages

- Shinglemill Basin
- Judd Basin
- South Vashon Area
- Maury Island

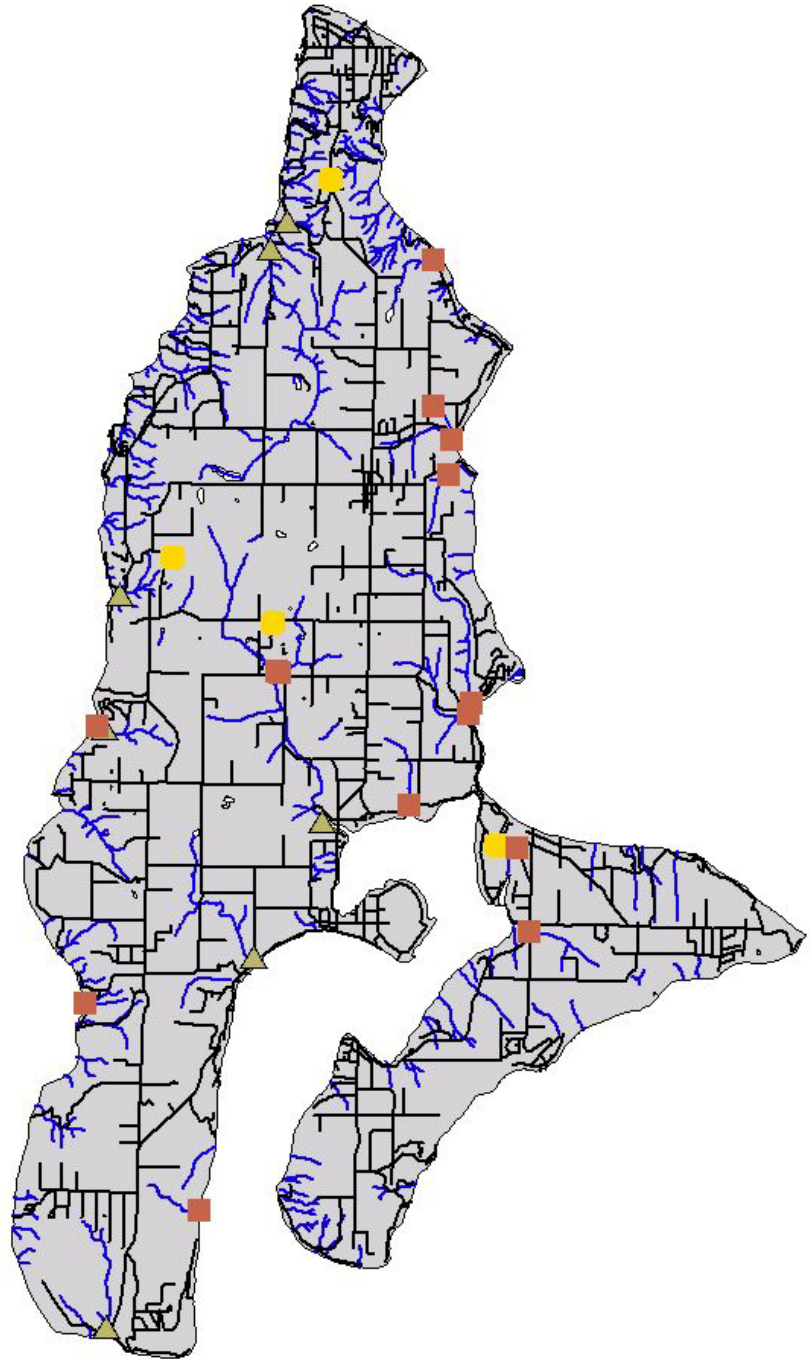




# Gaging Stations on Vashon

- 4 Rain Gages (yellow)
- 5 Recording Stream Gages (green triangles)
- 16 Flow Measuring Locations (red squares)

October 27, 2004





# Project Management and Coordination Progress

- Continue to participate in WRIA 15 planning process
  - Susan Oxholm is the KC representative for VMI
- Still Upcoming
  - Write the VMI technical portion of WRIA 15 plan





# 2004 Deliveries

Milestones & Deliverables		
4	Water Level Contour Maps	November
6	Phase 1 Groundwater Flow Model Completed	November
7	Phase 1 Modeling Report	December

- Still on track to meet all planned deliverables by the end of 2004

October 27, 2004

King County



# Budget update

- Almost 2/3 expended by mid-October
- Cost savings from SAP changes are being used to obtain more water quantity data with a coordinated effort with King County DOT.

October 27, 2004

King County



# Looking Ahead to 2005 Work


- Pesticide sampling
- Monitoring wells installed
- VMI-wide water level surveys


October 27, 2004

King County

Visit the website and sign up to get project updates!

<http://dnr.metrokc.gov/wlr/WQ/vashon-island/index.htm>

 **King County** [Home](#) [News](#) [Services](#) [Comments](#) [Search](#)

 [Natural Resources and Parks »](#)  
[Water and Land Resources Division »](#)

**Project News**  
***Vashon-Maury Island Water Resources Evaluation***


[» Vashon-Maury Island Water Resources Evaluation](#)

**Sign up to receive project news e-mail:**

Name:  \*First  \*Last

E-mail:  \*E-mail

Organization:



October 27, 2004

King County